IC250: Lab assignment 7

HackerRank link: `https://www.hackerrank.com/lab-7-2`

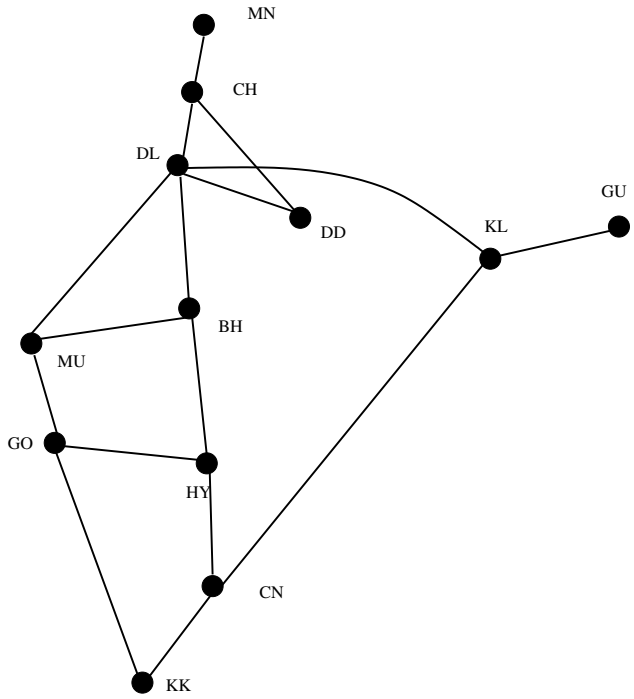
1. **Travel time between cities.**

   Assume that a superfast bullet train connects the cities given in the map. The time taken to travel between any two cities connected by the train is exactly one hour, irrespective of the distance. Find the time taken to get from a start city to a destination city. Test cases are given in HackerRank.
   Hint: Use BFS from the start city.

2. **Isolated communication networks.**

   A large housing complex has several floors. Each floor has several flats. Each resident has his/her own wireless network to connect to the internet. Sometimes, residents who are friends might use a LAN cable and connect their individual networks to each other. Thus these networks can communicate amongst themselves.

   Given a residential complex and its networks as input, determine how many networks *cannot* communicate amongst themselves. In other words, find out the number of isolated networks.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